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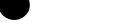
PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

10/525609

(PCT Artcle 36 and Rule 70)

Applicant's or accently 51		<u> </u>				
Applicant's or agent's file reference 03K100/PCT	FOR FURTHER ACTIO	OR FURTHER ACTION SeeNotification of Transmittal of International Pre Examination Report (Form PCT/IPEA/416)				
International application No. PCT/KR2003/001587	International filing date(day/1007 AUGUST 2003 (07)		Priority date (day/mon	th/year)		
International Patent Classification (IPC	or national classification and	08.2003)	05 SEPTEMBER 200	2 (05.09.2002)		
PC7 H04Q 7/22 Applicant	, or national classification and	·				
SK TELECOM CO., LTD. et	al					
This international preliminary examples and is transmitted to the applicant.	amination report has been pret according to Article 36.	pared by this Int	ernational Preliminary Exa	mining Authority		
This REPORT consists of a total	of3 sheets, incl	iding this cover s	theet			
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
These annexes consist of a total						
3. This report contains indications re	lating to the following items:					
I X Basis of the report						
II Priority						
III Non-establishment o	of opinion with regard to novelt	, inventive step a	and industrial applicability			
IV Lack of unity of inve	ention	•	a ppilodomiy			
V X Reasoned statement citations and explana	under Article 35(2) with regard ations supporting such statemen	l to novelty, inve	ntive step or industrial appl	icability;		
VI Certain documents of	ited					
VII Certain defects in the	international application					
VIII Certain observations	on the international application					
				:		
ate of submission of the demand		of completion of	this report			
31 MARCH 2004 (3)			EER 2004 (29.11.2004)			
ame and mailing address of the IPEA/K	R Auth	orized officer				
Korean Intellectual Property 920 Dunsan-dong, Seo-gu, D Republic of Korea	Office	JEONG, Hae Ko	n ~	(SIEIIE)		
acsimile No. 82-42-472-7140	Telep	hone No. 82-42	-481-5986	יעווצווסע "		



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International aplication No.

PCT/KR2003/001587

I.	Bas	sis of the	report					
1.	Wit	h regard t	to the elements of the international application:*					
	X	X the international application as originally filed						
		4	scription:					
}		pages pages		, as originally filed , filed with the demand				
		pages						
	Г	the cla		•				
	L	pages		, as originally filed				
}		pages	, as amended (together with an	, filed with the demand				
		pages	, filed with the letter of					
ļ		the dra	awings:	•				
		• -		, as originally filed , filed with the demand				
1			filed with the letter of	, fried with the definant				
] the sec	quence listing part of the description:					
1								
1		pages	, filed with the letter of	, filed with the demand				
		r-or-						
2			d to the language, all the elements marked above were available or furnished to this Aut tional application was filed, unless otherwise indicated under this item.	hority in the language in which				
			nents were available or furnished to this Authority in the following language	which is				
	Γ	7 the la	anguage of a translation furnished for the purposes of international search (under Rule 2	3.1(b)).				
1	Ē		anguage of publication of the international application (under Rule 48.3(b)).					
	_	_	anguage of the translation furnished for the purposes of international preliminary exam	nination(under Rules 55.2 and/				
1	or 55.3).							
	3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:							
	contained inthe international application in written form.							
}		filed	together with the international application in computer readable form.					
1		furni	ished subsequently to this Authority in written form.					
}		furni	ished subsequently to this Authority in computer readable form					
			statement that the subsequently furnished written sequence listing does not go b mational applicationas as filed has been furinshed.	eyond the disc losure in the				
			statement that the information recorded in computer readable form is identical to the furnished.	written sequence listing has				
4	. [The	amendments have resulted in the cancellation of:					
			the description, pages					
1			the claims, Nos.					
5.			the drawings, sheets					
	· [s report has been established as if (some of) the amendments had not been made, sin beyond the disclosure as filed, as indicated in the Supplemental Box(Rule 70.2(c)).**	ce they have been considered to				
	ir	Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this opinion as "originally filed." and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).						
	** A	ny replac	rement sheet containing such amendments must be referred to under item I and annexed	to this report.				



International aplication No.

PCT/KR2003/001587

V. Reasoned statement under Article 35(2) with regard to novel	lty, inventive step or industrial applicability;
citations and explanations supporting such statement	

1.	Statement			
	Novelty (N)	Claims	1-13	_ <u>Y</u> ES
	•	Claims		NO
	Inventive step (IS)	Claims	1-13	YES
		Claims		NO
	Industrial applicability (IA)	Claims	1-13	YES
		Claims		NO

2. Citations and explanations (Rule 70.7)

Documents cited in the International Search Report:

D1: KR2000-0000244 A (15, JAN, 2000)

D2: KR2001-0108937 A (08.DEC.2001)

D3: KR2000-0030035 A (05.JUN.2000)

D4: KR2000-0055316 A (05.SEP.2000)

D5: US5926537 A (20.JUL.1999)

D6: JP2000-106685 A2 (11.APR.2000)

D7: JP2000-050347 A2 (18.FEB.2000)

D8: W02000-49793 A1 (24.AUG.2000)

D9 : KR2002-0039501 A (27.MAY, 2002)

Claims1-13 of the present invention relate to a method of managing a trunk to provide a ring-back sound in a subscriber-based ring-back sound service, the ring-back sound servece method including the steps of a)a home location register providing first information indicating whether a ring-back tone preset in the home location register is substituted and second information for performing routing to intelligent peripheral means to a corresponding terminating mobile switching center when a location of a terminating subscriber is registered; b) the terminating mobile switching center providing a ring-back tone to an arbitrary originator or requesting a connection of a trunk call from the intelligent peripheral means according to the first and second information, when the terminating mobile switching center recognizes a call connection request transmitted from the arbitrary originator to the terminating subscriber; c) the intelligent peripheral means searching for a ring-back sound preset with respect to the terminating subscriber after connecting the trunk call in response to the trunk call connection request, and providing the searched ring-back sound to the originator instead of the ringback tone through the trunk-connected terminating mobile switching center, the trunk management method comprises the steps of: The terminating mobile switching center requesting a release of the connected trunk call from the intelligent peripheral means when an answer of the terminating subscriber is recognized or when a first predetermined period of time has elapsed from a time when it is recognized that the searched ring-back sound is provided to the originator; and The intelligent peripheral means requesting a release of the connected trunk call from the terminating mobile switching center when a second predetermined period of time has elapsed from a time when the ring-back sound begins to be provided.

D1-D9 do not include the features of claims 1-13.

Hence, the subject-matter of Claims 1-13 is novel and inventive according to PCT Article 33(2) and (3).

The industrial applicability of Claims 1-13 is self-evident in the sense of Article 33(4) PCT.